# Objectives for Restoration & Constraints

## *Green/Duwamish Watershed*

### Lower River Tributaries
**Mill Creek and downstream**

***Objectives (ecological):***
- Increase rearing and refuge habitat for salmonids.
- Where cost-effective, increase spawning habitat.
- Reduce stormwater quantity and quality impacts on habitat.
- Improve habitat for resident fish and wildlife species.

***Other:***
- Build an urban constituency for restoration.
- Enlist neighborhood groups, business, and industry in restoration.
- Improve environmental quality in urban neighborhoods.
- Improve stormwater control.

***Constraints:***
- Quality and quantity of urban stormwater.
- Dense development adjoining most tributaries.
- Little intact habitat remains.
- High level of human use and disturbance.

### Duwamish River and Elliott Bay-
**Tukwila to Duwamish Head**

***Objectives (ecological):***
- Improve upstream and downstream passage of salmonids.
- Improve rearing habitat for juvenile salmonids.
- Improve benthic, aquatic, and riparian habitat for other fish and wildlife.

***Other:***
- Build an urban constituency for restoration.
- Enlist business and industry in restoration.
- Improve environmental quality in urban neighborhoods.

***Constraints:***
- High costs for restoration.
- Historic and continuing sources of pollution.
- Little intact habitat remains.
- Indifference from riverfront landowners.

### Middle River Tributaries
**Soos Creek and upstream**

***Objectives (ecological):***
- Increase and improve spawning and rearing habitat for salmonids.
- Improve riparian and aquatic habitat for other fish and wildlife species.
- Reduce impacts of adjoining uses (suburban development, agriculture, forestry) on habitat.
- Promote river processes, especially instream flows, that sustain habitat.

***Other:***
- Build a suburban and rural constituency for restoration.
- Retain environmental quality in developing communities.

***Constraints:***
- Quality and quantity of urban stormwater (Soos) and agricultural runoff (Newaukum).
- Rapid development adjoining the stream (Soos).
- Agricultural use of streambanks (Newaukum).
- Moderate level of human use and disturbance.

### Upper Watershed
**Above Tacoma Diversion Dam**

***Objectives (ecological):***
- Restore upstream and downstream passage of salmonids at Howard Hansen and Tacoma Diversion dams.
- If passage is provided, improve spawning and rearing habitat for salmonids.
- Protect intact habitats for resident fish and wildlife species.
- Maintain/enhance dam operating regimes to sustain/improve downstream habitat.

***Other:***
- Encourage watershed-wide focus and approach to restoration.

***Constraints:***
- Dams
- Extensive logging activity.
- Water supply and flood protection as primary goals.

### Lower Green River - Mainstem
**Auburn to Tukwila**

***Objectives (ecological):***
- Improve upstream and downstream passage of salmonids.
- Reduce summer/fall water temperatures.
- Improve riparian habitat.

***Other:***
- Build an urban constituency for restoraton.
- Provide greenspaces for neighboring communities.
- Demonstrate compatibility of habitat restoration and flood protection.

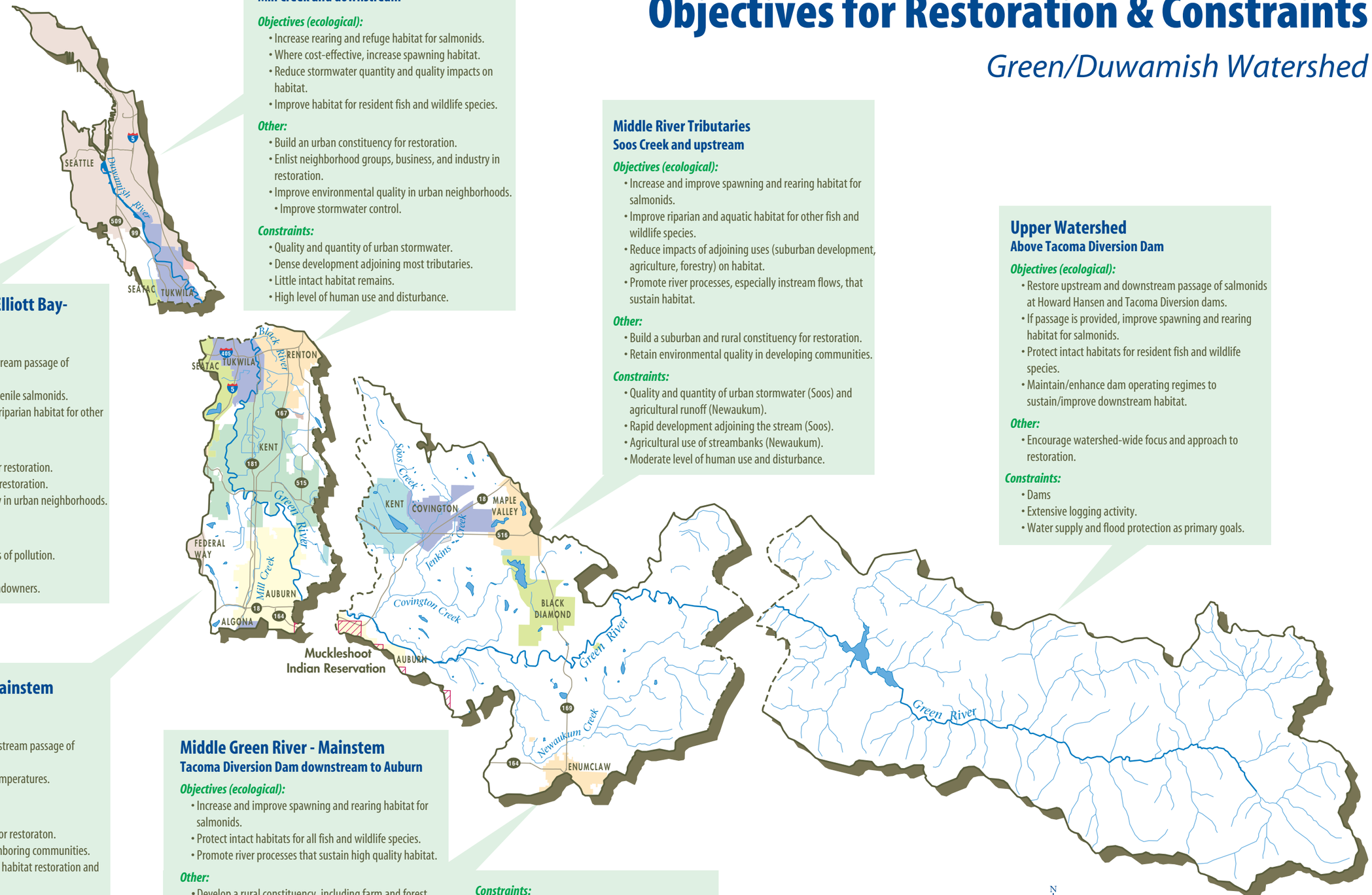
***Constraints:***
- Continuous levees.
- Dense development adjoining the river.
- Necessity for flood protection as highest priority.

### Middle Green River - Mainstem
**Tacoma Diversion Dam downstream to Auburn**

***Objectives (ecological):***
- Increase and improve spawning and rearing habitat for salmonids.
- Protect intact habitats for all fish and wildlife species.
- Promote river processes that sustain high quality habitat.

***Other:***
- Develop a rural constituency, including farm and forest interests, for restoration.
- Enhance compatible recreational and educational uses.
- Demonstrate compatibility of habitat restoration and adjoining uses.

***Constraints:***
- Controls on flows and sediment transport.
- Levees.
- Adjoining land uses in floodplain.
- Strong "property rights" sentiment.

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